

SABIC Innovative Plastics LNP THERMOCOMP MH0400A PP

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

LNP THERMOCOMP* MH0400A is a compound based on Polypropylene resin. Added features of this material include: High Specific Gravity.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-MH0400A-PP.php

Physical Properties	Metric	English	Comments
Density	4.00 g/cc	0.145 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0089 cm/cm	0.0089 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0101 cm/cm	0.0101 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	15.0 MPa	2180 psi	ISO 527
Tensile Strength, Yield	16.0 MPa	2320 psi	ISO 527
Elongation at Break	2.6 %	2.6 %	ISO 527
Elongation at Yield	1.8 %	1.8 %	ISO 527
Tensile Modulus	6.59 GPa	956 ksi	1 mm/min; ISO 527
Flexural Strength	36.0 MPa	5220 psi	ISO 178
Flexural Modulus	9.58 GPa	1390 ksi	ISO 178
Izod Impact, Notched (ISO)	6.00 kJ/m ²	2.86 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	8.00 kJ/m ²	3.81 ft-lb/in ²	80*10*4; ISO 180/1U
Impact Test	2.00 J	1.48 ft-lb	Multiaxial Impact; ISO 6603

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	91.0 Â°C	196 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af

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